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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

APPLICANTS: Ernst Neumeierl et al. CONFIRMATION NO.: 1965
SERIAL NO.: 10/760,071 GROUP ART UNIT: 2882
FILED: January 16, 2004
TITLE: "X-RAY TUBE WITH HOUSING ADAPTED TO RECEIVE AND
HOLD AN ELECTRON BEAM DEFLECTOR"

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

S I R:

In accordance with the provisions of 37 C.F.R. § 1.56, Applicants request that citation and examination of the following documents be made during the course of examination of the above-referenced application for United States Letters Patent.

AA United States Patent No. 6,529,579
AB United States Patent No. 6,128,367
AC United States Patent No. 6,055,294
AD United States Patent No. 5,909,479
AE United States Patent No. 5,689,542
AL European Patent Application 0 009 946

EXPLANATION OF RELEVANCE

Reference AA discloses a cooling system that is disposed around the neck region of a rotating anode x-ray tube, wherein the cathode is contained in a portion of the housing connected by the neck region to the portion of the housing which the anode is disposed. A conduit in which coolant can flow is thereby formed around a beam deflection element.

References AB and AC disclose rotating anode structures similar to that of Reference AD, which was identified and discussed in the present specification at page 2. Each of those structures has a housing with a housing portion containing the rotating anode and a housing portion containing the cathode, the housing portions being connected by a narrow neck region, with a beam deflector disposed at the neck region.

Reference AE discloses an x-ray generating apparatus having a pair of chambers for circulating a coolant fluid placed between an anode target and the electron source at an exterior of the housing as shown in Figures 3A, 3B and 5.

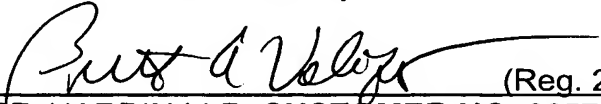
Reference AL discloses an x-ray tube having a housing, as shown in Figure 4, wherein two blind holes are drilled so as to form a V-shaped conduit for coolant. The electron beam passes through an opening 13 disposed within the V-shaped conduit.

Copies of each of the above references together with Form 1449 are submitted herewith.

As of the date of mailing of this Information Disclosure Statement, a first Office Action on the merits has not been received in connection with this application. This Information Disclosure Statement is therefore in compliance with 37 C.F.R. §1.97(b)(3), and no fee is necessary.

All claims of the application are submitted to be patentable over the teachings of the above references, taken singly or in combination. Early consideration of the application is therefore respectfully requested.

Submitted by,



(Reg. 27,841)

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on June 4, 2004.



BRETT A. VALIQUET

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Form PTO-1449

Docket No.

P03,0562

Serial No.

10/760,071

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(use several sheets if necessary)

Applicant

Neumeier et al

Filing Date

January 16, 2004

Group Art Unit

2882

U.S. PATENT DOCUMENTS

| Examiner's Initials | | Document Number | Date | Name | Class | Subclass | Filing Date If appropriate |
|------------------------|----|-----------------|----------|-----------------|-------|----------|-------------------------------|
| | AA | 6,529,579 | 03/04/03 | Richardson | | | |
| | AB | 6,128,367 | 10/03/00 | Foerst et al. | | | |
| | AC | 6,055,294 | 04/25/00 | Foerst et al. | | | |
| | AD | 5,909,479 | 06/01/99 | Rother | | | |
| | AE | 5,689,542 | 11/18/97 | Lavering et al. | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | Document Number | Date | Country | Class | Subclass | Translation | |
|--|----|-----------------|----------|---------|-------|----------|-------------|----|
| | | | | | | | Yes | No |
| | AL | 0 009 946 | 04/16/80 | Europe | | | | |
| | AM | | | | | | | |
| | AN | | | | | | | |
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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| | AT | |
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Examiner

Date Considered

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.